

Contents of Volume 36, 1997

Number One (G321-0126)

Application development as an engineering discipline: Revolution or evolution?
N. Bieberstein (G321-5631) 4

Family traits in business objects and their applications
R. Prins, A. Blokdijk, and N. E. van Oosterom (G321-5632) 12

Bridging traditional and object technologies: Creating transitional applications
A. H. Lindsey and P. R. Hoffman (G321-5633) 32

The COBOL jigsaw puzzle: Fitting object-oriented and legacy applications together
E. S. Flint (G321-5634) 49

Object persistence in object-oriented applications
V. Srinivasan and D. T. Chang (G321-5635) 66

Debugging DB2/CS client/server applications
M. Meier, H. Pan, and G. Y. Fuh (G321-5636) 88

Workflow-based applications
F. Leymann and D. Roller (G321-5637) 102

The effective use of automated application development tools
P. Guinan, J. G. Coopride, and S. Sawyer (G321-5638) 124

The effects of the business model on object-oriented software development productivity
T. E. Potok and M. A. Vouk (G321-5639) 140

Technical forum
IBM's electronic commerce solution: CommercePOINT
D. Connolly 162

Number Two (G321-0127)

S/390 cluster technology: Parallel Sysplex
J. M. Nick, B. B. Moore, J.-Y. Chung, and N. S. Bowen (G321-5640) 172

A locking facility for parallel systems
N. S. Bowen, D. A. Elko, J. F. Isenberg, and G. W. Wang (G321-5641) 202

Cluster architectures and S/390 Parallel Sysplex scalability
G. M. King, D. M. Dias, and P. S. Yu (G321-5642) 221

Adaptive algorithms for managing a distributed data processing workload
J. Aman, C. K. Eilert, D. Emmes, P. Yocom, and D. Dillenger (G321-5643) 242

Availability in parallel systems: Automatic process restart
N. S. Bowen, J. Antognini, R. D. Regan, and N. C. Matsakis (G321-5644) 284

The importance of systems management for a Parallel Sysplex
P. Johnson (G321-5645) 301

DB2's use of the coupling facility for data sharing
J. W. Josten, C. Mohan, I. Narang, and J. Z. Teng (G321-5646) 327

The evolution of CICS/ESA in the sysplex environment
T. Banks, K. E. Davies, and C. Moxey (G321-5647) 352

VSAM record-level data sharing
J. P. Strickland (G321-5648) 361

Number Three (G321-0128)

Multimedia file serving with the OS/390 LAN Server
M. G. Kienzle, R. R. Berbec, G. P. Bozman, C. K. Eilert, M. Eshel, and R. Mansell (G321-5649) 374

Multimedia resource management in OS/390 LAN Server <i>A. Dan, S. Dulin, S. Marcotte, and D. Sitaram</i> (G321-5650)	393	The software bookshelf <i>P. J. Finnigan, R. C. Holt, I. Kalas, S. Kerr, K. Kontogiannis, H. A. Müller, J. Mylopoulos, S. G. Perelgut, M. Stanley, and K. Wong</i> (G321-5659)	564
A method for on-line reorganization of a database <i>G. H. Sockut, T. A. Beavin, and C.-C. Chang</i> (G321-5651)	411	Note—Numbers in parentheses after issue numbers and after authors' names denote the Reprint Order Numbers.	
Technical forum IBM Business Frameworks: San Francisco project technical overview <i>V. D. Arnold, R. J. Bosch, E. F. Dumstorff, P. J. Helfrich, T. C. Hung, V. M. Johnson, R. F. Persik, and P. D. Whidden</i>	437		
Automatist storyteller systems and the shifting sands of story <i>G. Davenport and M. Murtaugh</i> (G321-5652)	446		
The last book <i>J. Jacobson, B. Comiskey, C. Turner, J. Albert, and P. Tsao</i> (G321-5653)	457		
Number Four (G321-0129)			
Overview: The Centre for Advanced Studies <i>S. G. Perelgut, G. M. Silberman, K. A. Lyons, and K. L. Bennet</i> (G321-5654)	474		
Enabling technology for distributed multimedia applications <i>J. W. Wong, K. A. Lyons, D. Evans, R. J. Velthuys, G. v. Bochmann, E. Dubois, N. D. Georganas, G. Neufeld, M. T. Özsu, J. Brinskelle, A. Hafid, N. Hutchinson, P. Iglinski, B. Kerhervé, L. Lamont, D. Makaroff, and D. Szafron</i> (G321-5655)	489		
Services supporting management of distributed applications and systems <i>M. A. Bauer, R. B. Bunt, A. El Rayess, P. J. Finnigan, T. Kunz, H. L. Lutfiyya, A. D. Marshall, P. Martin, G. M. Oster, W. Powley, J. Rolia, D. Taylor, and M. Woodside</i> (G321-5656)	508		
Predicting the performance of distributed virtual shared-memory applications <i>E. W. Parsons, M. Brorsson, and K. C. Sevcik</i> (G321-5657)	527		
Communication and organization in software development: An empirical study <i>C. B. Seaman and V. R. Basili</i> (G321-5658)	550		